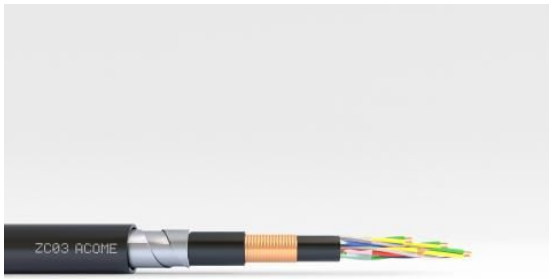


ZC03 COPPER CABLE FOR RELIABLE TRANSMISSION

LGV (High-Speed Lines) Intercity railways - Main signal cables

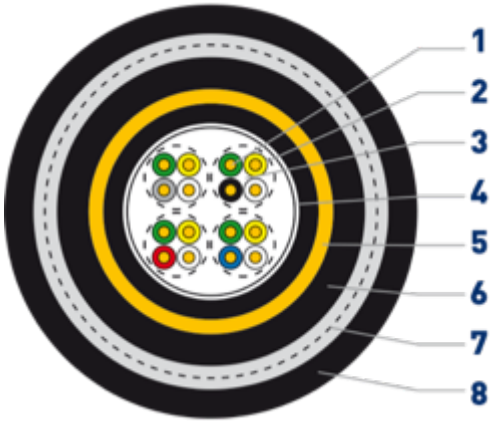
BENEFITS

- High performance protection against parasitic induction of the catenary and disturbances caused by TGV (High-Speed Trains)

APPLICATIONS

- Links the central control station to switchgear substations
- Installed in long lengths along 25,000V AC high-speed (LGV) lines
- Controls LGV track circuits

GENERAL CHARACTERISTICS



1. Red copper solid core – Class 1
2. Insulation: coloured polyethylene
3. 4-wire wiring
4. Polyethylene water-blocking internal sheath
5. Shielding with ringed copper tape
6. Polyethylene separation sheath
7. Armour: 2 steel spiral strips
8. Outer jacket black lead-free PVC + marking + metric

Mechanical

- Fire resistance NFC 32070.2.1 (flame retardant) and IEC 60332-1

- Operating temperature: 70°C
- Resistant to mineral oils, acids and bases
- Static bending radius: 8 x D, dynamic: 16 x D
- Duct or buried installation

Electrical

- Linear resistance: 18.1Ω/km
- Operating voltage: 750V
- Capacitance: < 40nF/km
- Protected against electromagnetic interference: minimum reduction factor at 150V/km < 0.14

RANGE

	Composition	Cross-sectional area of core (mm2)	Composition of core Nb x Ømm	Diameter of sheath (mm)	Net weight (kg/km) PVC/ZH	Reel format Length (m
U3777	4 q.	1	1x1,12	26,6	1285	G 1200

- Other formats available on request - Associated ranges: ZC03 1 4-wire x 1mm²

NORMS AND STANDARDS

General standards

- SNCF CT 445 specification
- SNCF approved

Fire behavior

- Fire resistance NFC 32070.2.1 (flame retardant) and IEC 60332-1